

We claim:

1. In a machine having a process computer, a control system comprising:

a central transmitting device connected to the process computer;

a central receiving device connected to the process computer;

a plurality of controllers including at least one of the group consisting of sensors and actuators; and

said controllers each having:

a transmitting device communicating with said central receiving device through radio signals;

a receiving device communicating with said central transmitting device through radio signals;

an integrated fuel tank for storing fuel; and

an integrated micro fuel cell associated with said fuel tank, said fuel cell converting stored fuel into electric power and supplying the electric power to a respective one of said controllers.

2. The control system according to claim 1, wherein the machine is an automatic production machine.
3. The control system according to claim 1, wherein said transmitting device and said receiving device is a combination transmitting and receiving device.
4. The control system according to claim 1, wherein said central transmitting device and said central receiving device is a combination transmitting and receiving device.
5. The control assembly according to claim 1, wherein the fuel is methanol.
6. The control assembly according to claim 5, including an electric energy store connected to said fuel cell.